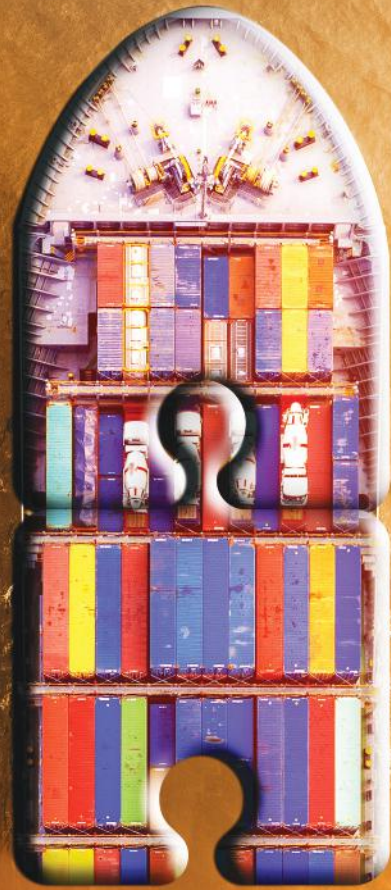**INTHING**
INTELLIGENCE ABOUT THINGS

Logistical nightmares begin from one missing consignment.

Manage your digital 'chain of custody'
*with **99.99% accuracy.***

Track every product.
Auto-audit every process.
Manage Intellectual Property.

www.inthing.io

WITH ZEST

- Sensor powered digital chain of identities
- Item, packaging and shipment groups are validated at every step
- 0 Shipping Errors with Six sigma accuracy
- Gain real time visibility and auditing capabilities
- Mitigate shipping error risks and vulnerabilities automatically

Zero Error Shipment Tracking

Wrong shipments result in poor CSAT & revenue recognition, penalties, and remediation costs

Elaborate human intervention with barcode, to ensure chain of custody

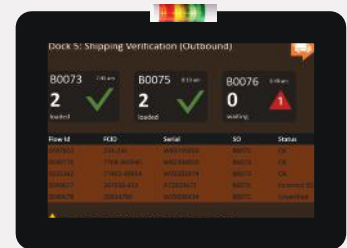Human error due to incorrect labelling & item packaging

WITHOUT ZEST

Architecture

Visium Logistics Services

Shipment Visibility App

Crating Packaging

Packing and Crating
Identity Chain Verification
Closed box audit

Automated Staging

Shipment Preparation
Partial / Wrong Detection
Overlapping staging lane Tolerance

Loading Dock

Load Verification
Validate Identity Chain
Wrong Load Detection
Incomplete Loads
Exception Management
Unload detection
Dock door dashboard

Wrong or missing shipments significantly impact outbound logistics, diluting brand equity, causing Intellectual Property loss & accruing unexpected additional expense.
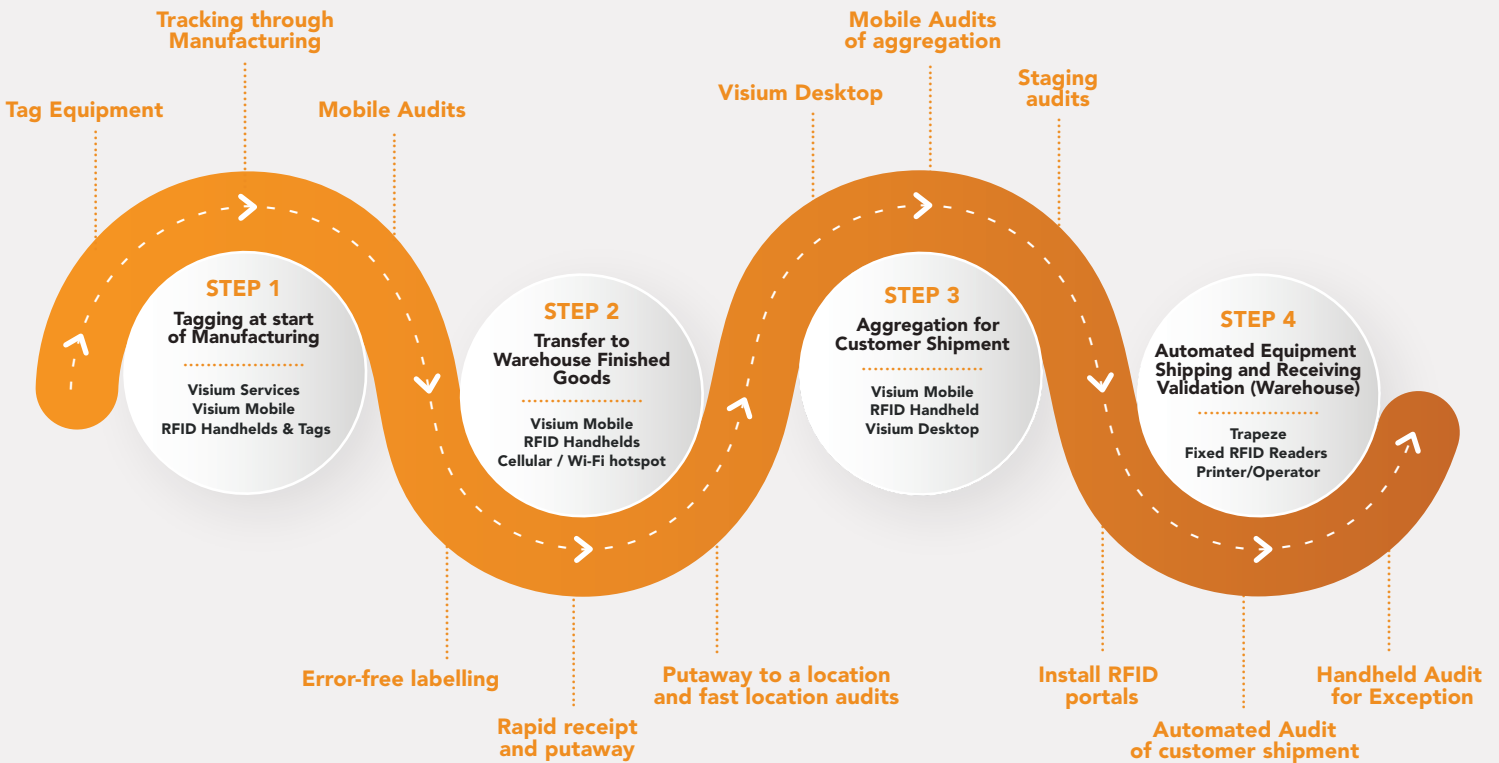*InThing Zest built on secure & smart infrastructure provides real-time visibility during every step of finished goods transport - from manufacturing station to shipping dock & beyond.*

COMPONENTS

Closed Box Audit	Chain of Identity	Audits	Aggregations

ROADMAP

Tag Equipment

Tracking through Manufacturing

Mobile Audits

Visium Desktop

Mobile Audits of aggregation

Staging audits

STEP 1
Tagging at start of Manufacturing

Visium Services
Visium Mobile
RFID Handhelds & Tags

STEP 2
Transfer to Warehouse Finished Goods

Visium Mobile
RFID Handhelds
Cellular / Wi-Fi hotspot

STEP 3
Aggregation for Customer Shipment

Visium Mobile
RFID Handheld
Visium Desktop

STEP 4
Automated Equipment Shipping and Receiving Validation (Warehouse)

Trapeze
Fixed RFID Readers
Printer/Operator

Error-free labelling

Rapid receipt and putaway

Putaway to a location and fast location audits

Install RFID portals

Automated Audit of customer shipment

Handheld Audit for Exception

SPOTLIGHT

STEP 1
Correct identification of equipment, audit
Validation of correct labelling on box/crate

STEP 2
Error-free delivery process
Automatic chain-of-identity and custody
Validation of labelling

STEP 3
Accuracy and Speed of picking and auditing
Real-time verification of aggregation
labor savings in finding and audit

STEP 4
Real-time alerts for Shipping / Receiving errors
Automated validation of shipment

KEY CAPABILITIES

100% SHIPMENT ACCURACY

- Auto validation of shipment accuracy using dock door sensors during loading
- Continuous checking of item chain of identities & shipment orders
- 'Error Alerts' allow shipment revalidation in case of exceptions

100% STAGING ACCURACY

- Easy confirmation of staging completion
- Verified shipping with industrial RFID & mobile phones

FASTER PICK-UP TO STAGING

- RFID powered picking & staging operation
- Increased item location & assemblage speed

CLOSED BOX AUDIT

- Audit items & verify shipment without unboxing crates
- Item confirmation by sensors through packaging
- Rapid real-time inventory, 100x faster than barcode

FGI AUDITORS

- Gain new capabilities to audit closed boxes

WAREHOUSE MANAGERS

- Rapid inventory
- Faster pick to staging
- 100% accuracy of staging

SHIPPERS

- 100% accuracy of shipment

KEY PERSONNEL

FACTORIES WAREHOUSES SHIPPING DOCKS

COMPLIMENTARY

Warehouse Inventory System Engagement

Returnable Asset Visibility

Material Audit & Delivery

Work in Progress Visibility

TENETS

- Lowers misrouted shipments
- Lowers overall costs
- Increases Customer Satisfaction
- Reduces Disruptions due to human error
- Tracks transit performance

- Containerized microservices platform with 'ready-to-use' and 'extensible' solutions
- Rapid deployment with multi-sensor and multi-lingual support out-of-the-box
- Optical, NFC, RFID, Wireless, Bluetooth, Ultra Wide-Band, GPS
- Hybrid (Cloud/On-prem) solution stack

- Increases customer reach
- Protects loss of Intellectual Property
- Gain insights to tighten processes
- Reduces risk of shipping damage
- Streamlines routes